

L3 ANSWER 199 OF 492 CA COPYRIGHT 2006 ACS on STN
AN 132:338443 CA
ED Entered STN: 09 Jun 2000
TI Composition and process for latex modified **rubber crumb**
reinforced **concrete** products
IN Lee, Hosin; Moon, Jang-Soo
PA University of Utah, USA
SO PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C04B018-22
CC 58-1 (Cement, Concrete, and Related Building Materials)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000027774	A1	20000518	WO 1999-US26281	19991106
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 1998-107557P	P	19981106		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000027774	ICM	C04B018-22
	IPCI	C04B0018-22 [ICM,6]; C04B0018-04 [ICM,6,C*]
	IPCR	C04B0018-04 [I,C*]; C04B0018-22 [I,A]; C04B0028-00 [I,C*]; C04B0028-04 [I,A]
	ECLA	C04B018/22; C04B028/04

AB The composition comprises **cement binder** 100, **ground rubber particles** 1-30, water 40-70, latex 5-20, and mineral aggregate 100-200 parts. Preferably, the **concrete** product is a general purpose **concrete**, mortar, **cement** board, or sound barrier; the **cement** binder is portland **cement** or alumina; the mineral aggregate is sand, aggregate, and/or light **aggregate**; the **rubber particles** are derived from rubber tires;. The **concrete** products are manufactured by mixing and curing. The obtained products have high flexural strength and dynamic impact resistance.

ST **concrete** mortar **cement** board sound insulator compn;
portland **cement** alumina **concrete** compn; latex

rubber tire **aggregate concrete** compn

IT Construction materials

(**cement** boards, **concrete** product; composition and process for latex modified **rubber crumb** reinforced **concrete** products)

IT Composition